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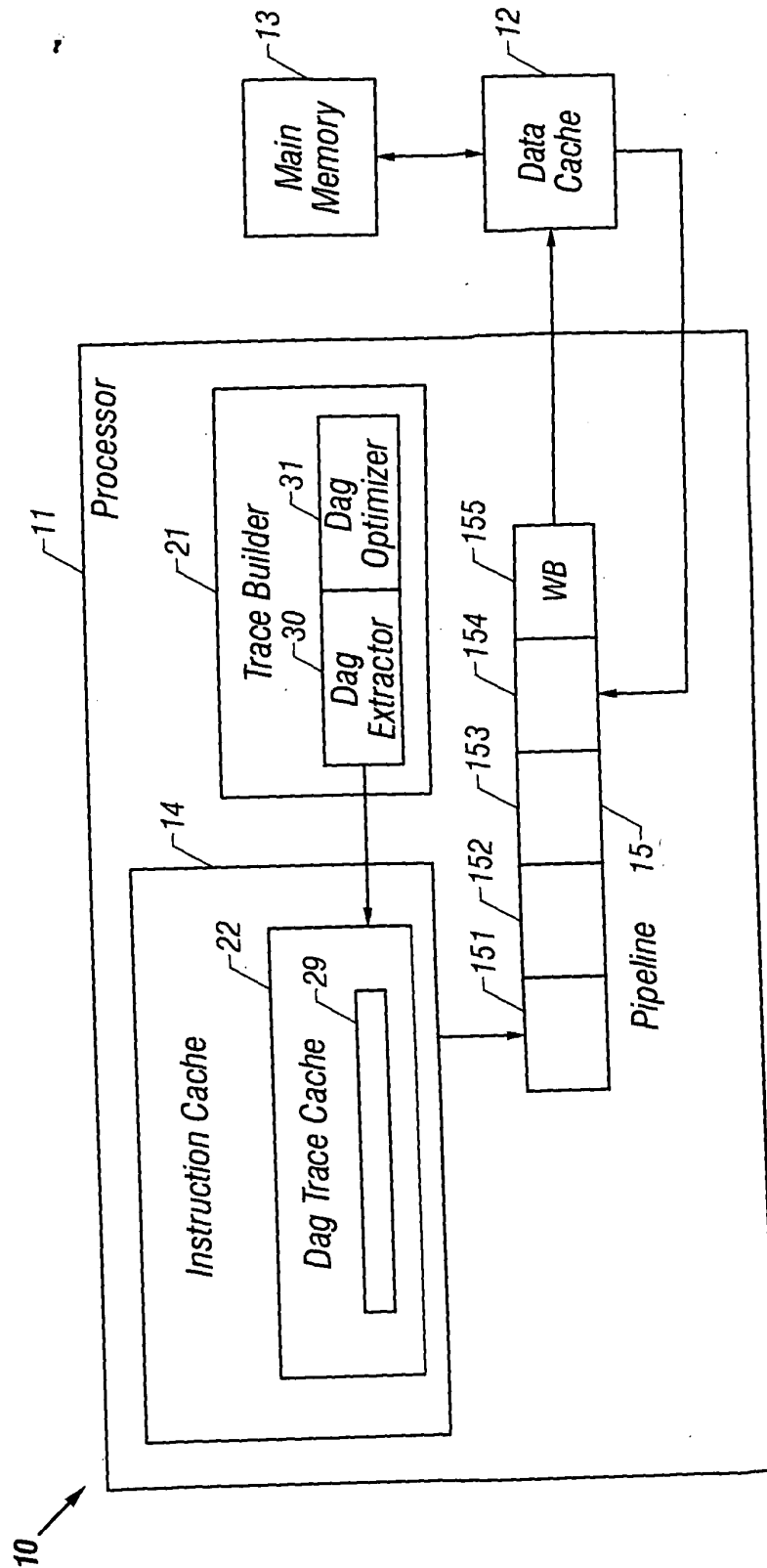


FIG. 1

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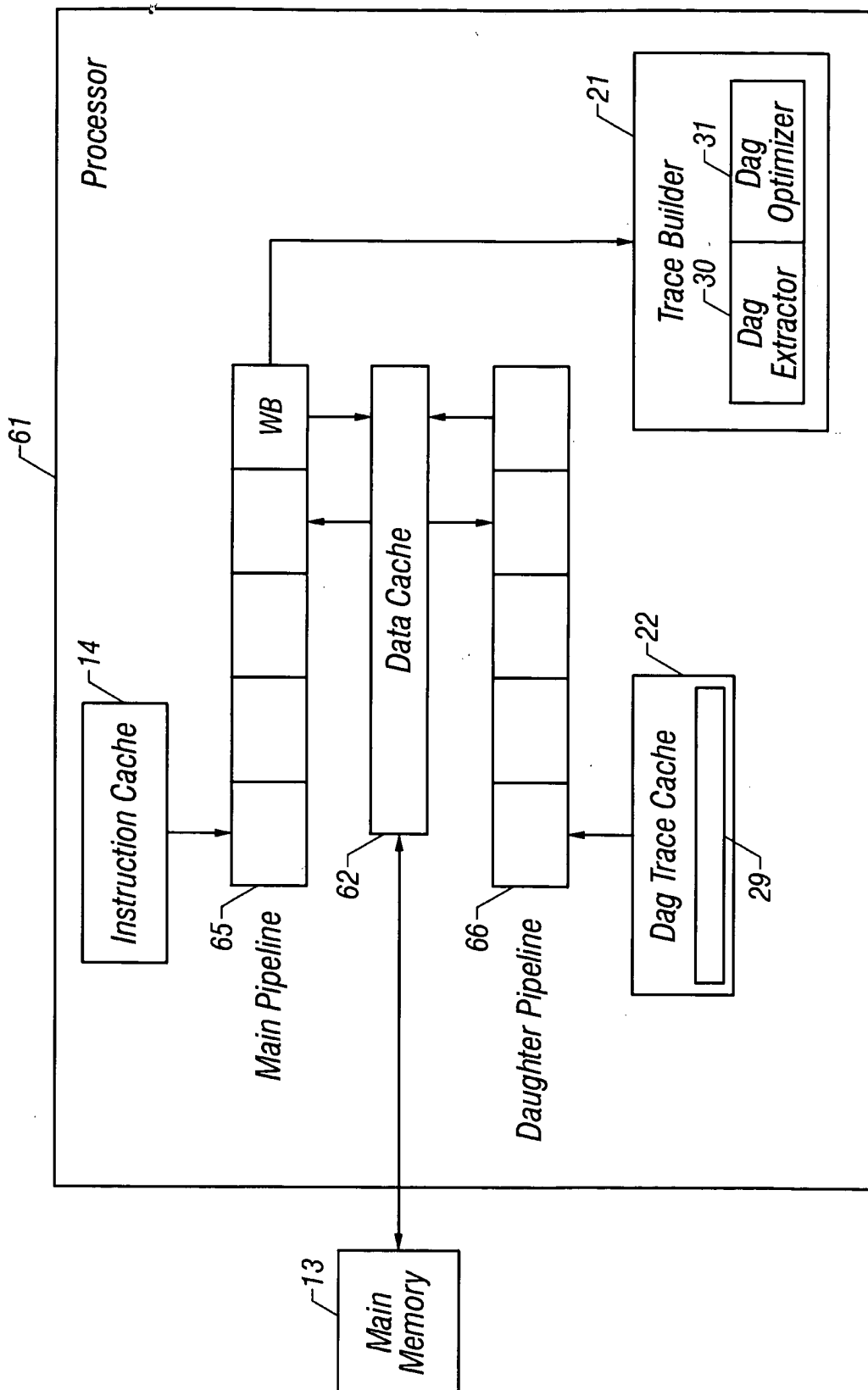


FIG. 2

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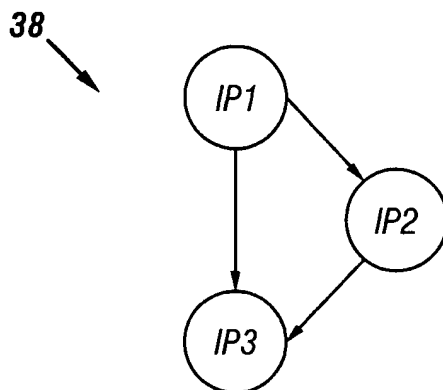


FIG. 3A

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LINE	IP / LINE	IP	P	C	Type
0	IP	IP1	0	1	--
1	LINE	3	0	1	--
2	LINE	6	0	0	--
3	IP	IP2	1	0	--
4	LINE	0	0	1	--
5	LINE	6	0	0	--
6	IP	IP3	1	0	--
7	LINE	0	0	1	--
8	LINE	3	0	0	--

FIG. 3B

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Triggering Condition	Count	Frequency Threshold	Confidence Metric	Criterion Instruction	BOT <u>42</u>	EOT <u>43</u>
<u>410</u>	<u>411</u>	<u>412</u>	<u>413</u>	<u>414</u>		

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FIG. 4

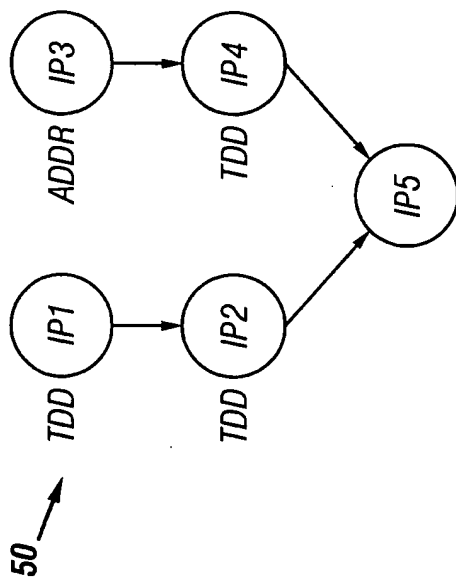


FIG. 5

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Function WalkAndClassifyDAG (Node N)

Process (N, no_hint)

Foreach Parent P of N

WalkAndClassifyDAG (P)

End Foreach

End Function

Function Process (Node N, Hint H)

If H = ADDR Then

If (N->type = TDD) Then

N-> Type = ADDR

End If

Foreach Parent P of N

Process (P, ADDR)

End Foreach

Else If N->instruction = Load Then

N-> Type = ADDR

Foreach Parent P of N

IF P-> output_operand = N->address_operand Then

Process (P, ADDR)

End If

End Foreach

Else If N->instruction = BRANCH Then

N-> Type = CF

Else

N->Type= TDD

End If

End Function

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FIG. 6